

**ABSTRACT OF THE DISCLOSURE**

An inflatable cuff for blood pressure measurement includes a first inflatable bag which is inflatable to press an arterial vessel of a body portion of a living subject and stop flow of blood in the arterial vessel which the inflatable cuff is adapted to be wound around the body portion; a second inflatable bag for sensing a pulse wave propagating along the arterial vessel, which is supported by the inflatable cuff such that the second inflatable bag is located inside a downstream-side portion of the first inflatable bag in the direction of the blood flows in the arterial vessel, and which has a dimension as measured in the direction that is smaller than a dimension of the first inflatable bag as measured in said direction; and a fluid-filled bag which is located between the second inflatable bag and the body portion and which is filled with incompressible fluid.